

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/12204

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C01B33/44 C08J3/22 C08K7/00 C08K9/04 C08L23/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C01B C08J C08K C08L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 534 799 A (AGUIRRE JUAN E) 13 August 1985 (1985-08-13) abstract column 2, line 5-60 column 5, line 48-61 column 6, line 54-62 column 7, line 49-57 * examples *	1-6,9, 11,13, 14,16-19
X	WO 99 07790 A (TNO; FISCHER HARTMUT RUDOLF (NL)) 18 February 1999 (1999-02-18) cited in the application abstract page 3, line 12-36 page 5, line 11-15 page 8, line 16-26 example 1	1-5,9-19

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

30 January 2004

Date of mailing of the international search report

05/02/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>EP 0 705 880 A (SUMITOMO CHEMICAL CO) 10 April 1996 (1996-04-10)</p> <p>page 2, line 33 -page 3, line 18 page 7, line 51-59 page 8, line 1 - line 22 table 6 * examples *</p> <p>----</p>	<p>1-4, 7-14, 16-19</p>
X	<p>WO 98 01503 A (CABOT CORP) 15 January 1998 (1998-01-15)</p> <p>page 3, line 38 -page 4, line 3 page 5, line 17 - line 20 tables 1,2,4,5,7 examples 1-3</p> <p>----</p>	<p>1,5,7-9, 11,13, 14,16-18</p>
A	<p>LIAO B ET AL: "Polymer-layered silicate nanocomposites. 1. A study of poly(ethylene oxide)/Na-montmorillonite nanocomposites as polyelectrolytes and polyethylene-block-poly(ethylene glycol) copolymer/Na-montmorillonite nanocomposites as fillers for reinforcement of polyethylene" POLYMER, ELSEVIER SCIENCE PUBLISHERS B.V, GB, vol. 42, no. 25, December 2001 (2001-12), pages 10007-10011, XP004318131 ISSN: 0032-3861 cited in the application the whole document</p> <p>----</p>	<p>1-19</p>
A	<p>VAIA R A ET AL: "SYNTHESIS AND PROPERTIES OF TWO-DIMENSIONAL NANOSTRUCTURES BY DIRECT INTERCALATION OF POLYMER MELTS IN LAYERED SILICATES" CHEMISTRY OF MATERIALS, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 120, no. 2, 1993, pages 1694-1696, XP002062287 ISSN: 0897-4756 the whole document</p> <p>-----</p>	<p>1-19</p>

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Information on patent family members

International application No

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